File Code: Coop Folder

Same as MO-ENG-13 with minor corrections

	VOLUME AND PEAK RATE OF RUNOFF	
Landowner:		
By:	Date:	
Checked:	Date:	

Land Use	Treatment	Hydrologic Soil Group								Sum of
		A		В		С		D		Product
		Acres	CN	Acres	CN	Acres	CN	Acres	CN	Acres
										X CN
Row Crops	Straight Row		67		78		85		89	
	Contour		65		75		82		86	
	Contour/Terrace		62		71		78		81	
Small Grain			63		75		83		87	
Hayland			58		72		81		85	
Pasture	Poor		68		79		86		89	
	Fair		49		69		79		84	
	Good		39		61		74		80	
Woodland	Poor Cover		45		66		77		83	
	Good cover		25		55		70		77	
Roads	Includes R.O.W.		74		84		90		92	
Farmsteads			59		74		82		86	
Other										
DA = Drainag	e Area = Total Acre	S						Total Pro	oduct	

For curve numbers of other land uses, See EFH pages MO-2-9 and 10

Commente de Donne CC CNI —	Total Product			; Use CN* =			
Computed Runoff CN =	Total Acres				; Use CN* =		
Practice							
Frequency	Years		_				
Rainfall, P	Inches		_				
Runoff, Q (EFH MO-2-11	to 24)		_				
Total Runoff = $\frac{(DA \times Q)}{12}$	Ac-ft =		_				
Average Watershed Land	lslope, Y =		_%	Flow	Length, $\ell = $		_ft
Time of Concentration							
T_c using ℓ , Y , CN and Fig	gure 2-27, page 2-41 or u	using equation	on 2-5, p	age 2-5	of EFH		
$T_c = \underline{\hspace{1cm}} hrs$	Initial abstraction,	I _a =		in	(Use CN with	table 2-4 pa	ige 2-89)
Compute I _a / P ratios							
Unit peak discharge, q _u							
(Use T _c and I _a /P with ex							
Peak Discharge, q _p , cfs							
$(q_p = q_u A Q)$ where $q_u =$							

^{*} When the job warrants the use of CN other than 65, 70, 75, etc., a straight line interpolation can be made between discharge values for bracketing CN's.